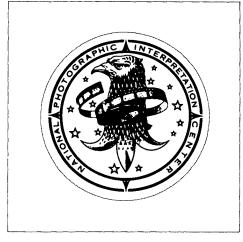**P**HOTOGRAPHIC
INTERPRETATION
REPORT

**NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER**

SCUD MISSILES PROBABLY EQUIPPED WITH FAD-708 INSTRUMENTATION AT EMBA, USSR (TSR)

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SCUD MISSILES PROBABLY EQUIPPED WITH FAD-708 INSTRUMENTATION AT EMBA, USSR

1.   (TSRZ) Analysis of 1977 and 1978 imagery [   ] of Emba Missile Test   25X1
Center [   ], USSR, has revealed that SCUD missiles are probably   25X1
equipped with field arbitrary designator (FAD)-708 instrumentation.

2.   (TSRZ) [   ]   25X1
[   ]   25X1
[   ] The increased
number of SCUD warhead containers seen on imagery during approximately the same
time frame correlates with the number of FAD-708 launches. These containers were ob-
served adjacent to one of two SCUD-associated checkout/support buildings at the Emba
MTC Operations Area [   ] Table 2). No SCUD warhead containers were   25X1
identified at this building prior to the start of the FAD-708 launch program.

3.   (TSRZ) A SCUD warhead container was first identified near the SCUD-associ-
ated checkout/storage building on imagery of [   ] (Figure 1). [   ]   25X1
[   ]   25X1

4.   (TSRZ) By [   ] early preparations were possibly underway for the 1978   25X1
launch series. Two discarded warhead containers were seen near the checkout/storage
[   ]   25X1
[   ][5,6] Eight discarded containers   25X1
were observed on imagery of [   ] (Figure 3), and nine were seen on [   ]   25X1
(Figure 4). The total number of containers observed correlates closely with the total num-
ber of FAD-708 launches detected.

5.   (TSRZ) Other photographic intelligence supports the conclusion that the SCUD is
probably equipped with FAD-708 instrumentation. During the last several years, only one

Table 2. Number of SCUD Warhead Containers
Adjacent to SCUD-Associated Checkout/Storage   25X1
Building Emba MTC, 1977 – 1979
This table in its entirety is classified TOP SECRET RUFF

Date	Number Observed
	0
	1
	2
	3
	4
	5
	8
	9

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SCUD transporter has usually been seen at Emba, and the SCUD transporter-erector-launcher (TEL; MAZ-543) has been seen only occasionally. But on [ ] a week before a FAD-708 launch, a convoy including a SCUD TEL, a SCUD transporter with a SCUD airframe, a SCUD oxidizer transporter, and a SCUD fuel truck were parked adjacent to the checkout/storage building (Figure 5). A second SCUD transporter was out of convoy. By [ ] the SCUD TEL had returned to the checkout/support building, and the SCUD airframe seen on [ ] was not observed.

6. (TSRZ) On [ ] two SCUD missile transporters were observed at the checkout/storage building. One transporter was missing on [ ]

7. (TSRZ) On [ ] a SCUD TEL and a support truck were observed at the Emba SA-1 Launch Facility [ ] Figure 6). [ ]

8. (TSRZ) The purpose of the FAD-708 launch program at Emba is not known. There is no direct photographic evidence available to associate the FAD-708 with any of the other known missile systems under development at the Emba Missile Test Center.

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REFERENCES

IMAGERY

(TSR) All applicable KEYHOLE imagery acquired from _____ was used in the preparation of this report.

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DOCUMENTS

1. MIA. Weekly Wire Supplement NR. 77-36. *FAD-708 Activity (TSZ)*, 281517Z Oct 77 (TOP SECRET _____

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2. DEFSMAC. K/DQ/1123-78, *Unidentified Missile (FAD-708) Launched at the Emba Missile Test Center on* _____ 282138Z Aug 78 (TOP SECRET _____

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3. DEFSMAC. K/DQ/1193-78, *FAD-708 Monitored Vehicle Launched at the EMTC on* _____ 061912Z Sep 78 (TOP SECRET _____

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    25X1

4. DEFSMAC. K/DQ/1412-78, *Data Summary for the Launch of a FAD-708 Monitored Vehicle at Emba on* _____ 121359Z Oct 78 (TOP SECRET _____

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5. DEFSMAC. K/DQ/1574-78, *FAD-708 Monitored Vehicle Launched from the EMTC on* _____ 081421Z Nov 78 (TOP SECRET _____

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6. DEFSMAC. K/DQ/1650-78, *FAD-708 Monitored, Unidentified Missile, Surface Launched at the Emba Missile Test Center.* _____) 151546Z Dec 78 (TOP SECRET _____

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REQUIREMENT

Project 130092NT

(S) Comments and queries regarding this report are welcome. They may be directed to _____ Warsaw Pact Forces Division, Imagery Exploitation Group, NPIC, _____

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